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Video endoscopy probe has distal CCD color sensor on fitting in one piece with distal end of tubular probe with proximal end in one piece with control grip containing video processor and monitor

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Patent Family

| Patent Number | Kind | Date | Application Number | Kind | Date | Week | Type |
|---------------|------|----------|--------------------|------|----------|--------|------|
| DE 19950840 | A1 | 20000504 | DE 1050840 | A | 19991021 | 200034 | B |
| FR 2785132 | A1 | 20000428 | FR 9813708 | A | 19981027 | 200034 | |
| GB 2345606 | A | 20000712 | GB 9925375 | A | 19991027 | 200035 | |
| US 6315712 | B1 | 20011113 | US 99426749 | A | 19991026 | 200173 | |
| GB 2345606 | B | 20030219 | GB 9925375 | A | 19991027 | 200315 | |

Priority Applications (Number Kind Date): FR 9813708 A (19981027)

Patent Details

| Patent | Kind | Language | Page | Main IPC | Filing Notes |
|-------------|------|----------|------|--------------|--------------|
| DE 19950840 | A1 | | 12 | H04N-005/225 | |
| FR 2785132 | A1 | | | H04N-007/18 | |
| GB 2345606 | A | | | A61B-001/05 | |
| US 6315712 | B1 | | | A61B-001/05 | |
| GB 2345606 | B | | | A61B-001/05 | |

Abstract:

DE 19950840 A1

NOVELTY The probe has a distal CCD color sensor with a distal fitting (1) in one piece with the distal end of a tubular probe (2) whose proximal end is in one piece with a control grip (3) containing an integral video processor (9) and color video monitor (10). A multi-strand electrical cable (28) within the probe connects the video processor directly with an electrical microcircuit interface (27) at the distal sensor. The video processor has a regulated current supply for different stabilized D.C. voltages.

USE For video endoscopy.

ADVANTAGE The probe contains integral processing and display devices for the video signal and only requires a connection to a universal light source and power supply for fully automatic operation.

DESCRIPTION OF DRAWING(S) The drawing shows a schematic representation of a video

endoscopy probe

distal fitting (1)

tubular probe (2)

control grip (3)

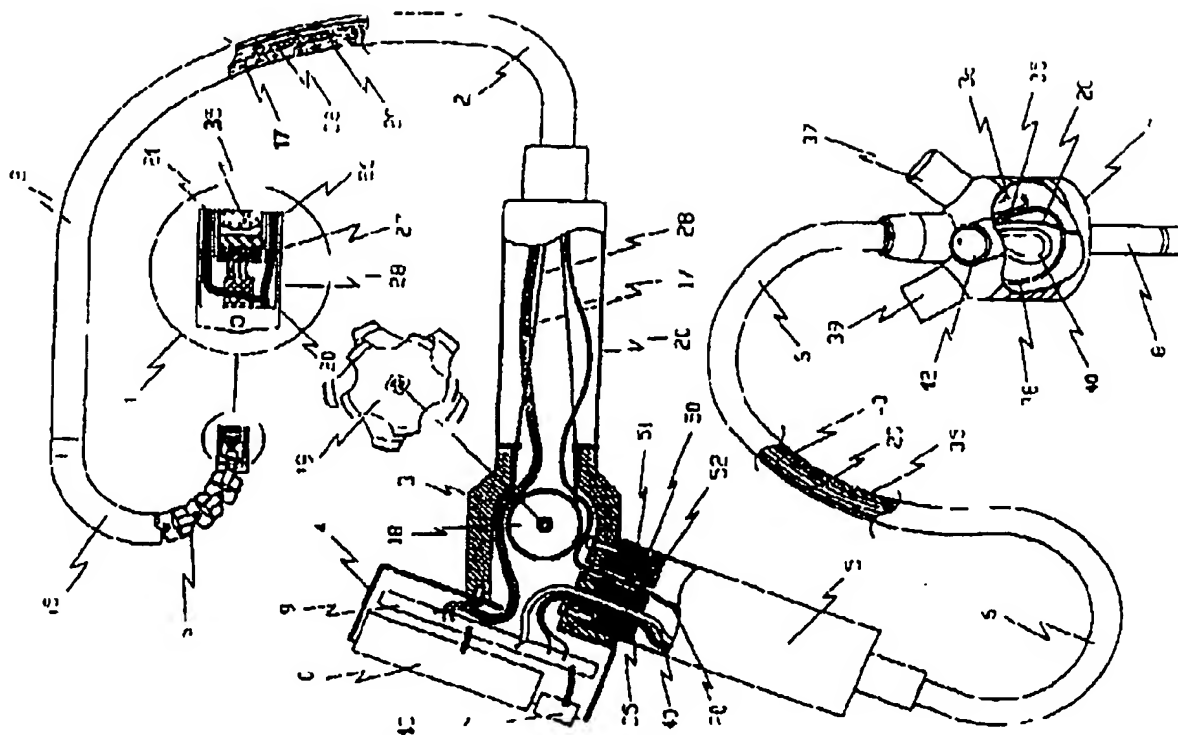
video processor (9)

monitor (10)

electrical microcircuit interface (27)

electrical cable (28)

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Dialog® File Number 351 Accession Number 13216921